

**Section I (Statement of the Claims)**

1. **(Original)** A system for delivering multiple different chemicals to a process tool, comprising:

a first refill canister and a first process canister that are connected to a first manifold that connects to at least one first process line wherein the first refill canister refills a first chemical to the first process canister through the first manifold and wherein the first process canister supplies the first chemical to the process tool;

a second refill canister and a second process canister that are connected to a second manifold that connects to at least one second process line wherein the second refill canister refills a second chemical to the second process canister through the second manifold and wherein the second process canister supplies the second chemical to the process tool;

wherein the first refill canister, the first process canister, the second refill canister, the second process canister and the first and second manifolds are housed in a cabinet.

2. **(Original)** The system of claim 1 further comprising: a third refill canister and a third process canister are connected to a third manifold that connects to at least one third process line wherein the third refill canister refills the third process canister through the third manifold and wherein the third refill canister and the third process canister and third manifold are housed in the cabinet.

3. **(Original)** The system of claim 2 further comprising a fourth refill canister and a fourth process canister are connected to a fourth manifold that connects to at least one fourth process line wherein the fourth refill canister refills the fourth process canister through the fourth manifold and wherein the fourth refill canister and the fourth process canister and fourth manifold are housed in the cabinet.

4. **(Original)** The system of claim 1 wherein the cabinet houses a total of six or eight canisters.

5. **(Original)** The system of claim 1 wherein at least one of the manifolds comprises: a vacuum supply valve; a vacuum generator; a pressure vent valve; a gas inlet valve; a bypass valve; an isolation valve; a control valve; a canister inlet valve; a canister outlet valve; and a

canister inlet coupler; wherein the vacuum supply valve is connected to the vacuum generator; wherein the vacuum generator is connected to the pressure vent valve and the control valve; wherein the gas inlet valve is connected to pressure vent valve and bypass valve; wherein the bypass valve is further connected to isolation valve and the canister inlet valve; wherein the isolation valve is also connected to canister outlet valve; wherein canister inlet valve is connected to control valve, and canister outlet valve.

6. **(Original)** The system of claim 1 wherein at least one manifold of the system comprises: a vacuum supply valve connected to a vacuum generator; a pressure vent valve connected to the vacuum generator and to a gas inlet valve; a control valve connected to vacuum generator; wherein the gas inlet valve is also connected to a bypass valve, an isolation valve connected to a canister outlet valve and to the bypass valve, and a canister inlet valve connected to the bypass valve, the control valve, and a canister outlet valve.

7. **(Original)** The system of claim 1 wherein the first refill canister contains tetraethylorthosilicate; wherein the second refill canister contains triethylphosphate or triethylphosphite; and wherein the third refill canister contains triethylborate.

8. **(Original)** The system of claim 1 wherein the cabinet is composed of two sides, a back, a top, a base and a front having at least one door, wherein the base optionally has wheels attached, wherein at least one of the at least one door has a touch screen.

9. **(Original)** The system of claim 8 wherein the cabinet includes an angled containment floor that directs chemical to a drain pan.

10. **(Original)** A method for manufacturing a system for delivery of multiple different chemicals, comprising:

connecting a first refill canister and a first process canister to a first manifold that connects to at least one first process line wherein the first refill canister refills a first chemical to the first process canister through the first manifold and wherein the first process canister supplies the first chemical to the process tool;

connecting a second refill canister and a second process canister to a second manifold that connects to at least one second process line wherein the second refill canister refills a second

chemical to the second process canister through the second manifold and wherein the second process canister supplies the second chemical to the process tool;

connecting a third refill canister and a third process canister to a third manifold that connects to at least one third process line wherein the third refill canister refills a third chemical to the third process canister through the third manifold and wherein the third process canister supplies the third chemical to the process tool; and

housing the first refill canister, the first process canister, the second refill canister, the second process canister, the third refill canister, the third process canister, and the first, second and third manifolds in a cabinet.

11. **(Original)** The method of claim 10 further comprising connecting a fourth refill canister and a fourth process canister to a fourth manifold that connects to at least one fourth process line wherein the fourth refill canister refills the fourth process canister through the fourth manifold and wherein the fourth refill canister and the fourth process canister and fourth manifold are housed in the cabinet.

12. **(Original)** The method of claim 10 wherein at least one of the manifolds comprises: a vacuum supply valve; a vacuum generator; a pressure vent valve; a gas inlet valve; a bypass valve; an isolation valve; a control valve; a canister inlet valve; a canister outlet valve; and a canister inlet coupler; wherein the vacuum supply valve is connected to the vacuum generator; wherein the vacuum generator is connected to the pressure vent valve and the control valve; wherein the gas inlet valve is connected to pressure vent valve and bypass valve; wherein the bypass valve is further connected to isolation valve and the canister inlet valve; wherein the isolation valve is also connected to canister outlet valve; wherein canister inlet valve is connected to control valve, and canister outlet valve.

13. **(Original)** The method of claim 10 wherein at least one manifold of the system comprises: a vacuum supply valve connected to a vacuum generator; a pressure vent valve connected to the vacuum generator and to a gas inlet valve; a control valve connected to vacuum generator; wherein the gas inlet valve is also connected to a bypass valve, an isolation valve connected to a canister outlet valve and to the bypass valve, and a canister inlet valve connected to the bypass valve, the control valve, and a canister outlet valve.

14. **(Original)** The method of claim 10 wherein the first refill canister contains tetraethylorthosilicate; wherein the second refill canister contains triethylphosphate or triethylphosphite; and wherein the third refill canister contains triethylborate.
15. **(Original)** The method of claim 10 wherein the cabinet is composed of two sides, a back, a top, a base and a front having at least one door, wherein the base optionally has wheels attached, wherein at least one of the at least one door has a touch screen.
16. **(Original)** The method of claim 15 wherein the cabinet includes an angled containment floor that directs chemical to a drain pan.
17. **(Original)** A method for supplying multiple chemicals to a process tool, comprising: supplying a first chemical, a second chemical and a third chemical to a process tool from a system for delivering multiple different chemicals to a process tool, wherein the system comprises:
- a first refill canister and a first process canister that are connected to a first manifold that connects to at least one first process line wherein the first refill canister refills a first chemical to the first process canister through the first manifold and wherein the first process canister supplies the first chemical to the process tool;
  - a second refill canister and a second process canister that are connected to a second manifold that connects to at least one second process line wherein the second refill canister refills a second chemical to the second process canister through the second manifold and wherein the second process canister supplies the second chemical to the process tool;
  - a third refill canister and a third process canister that are connected to a third manifold that connects to at least one third process line wherein the third refill canister refills a third chemical to the third process canister through the third manifold and wherein the third process canister supplies the third chemical to the process tool;
- wherein the first refill canister, the first process canister, the second refill canister, the second process canister, the third refill canister, the third process canister, and the first, second and third manifolds are housed in a cabinet.
18. **(Original)** The method of claim 17 further comprising a fourth refill canister and a fourth process canister are connected to a fourth manifold that connects to at least one fourth

process line wherein the fourth refill canister refills the fourth process canister through the fourth manifold and wherein the fourth refill canister and the fourth process canister and fourth manifold are housed in the cabinet.

19. **(Original)** The method of claim 17 wherein the cabinet that houses a total of six or eight canisters.

20. **(Original)** The method of claim 17 wherein at least one of the manifolds comprises: a vacuum supply valve; a vacuum generator; a pressure vent valve; a gas inlet valve; a bypass valve; an isolation valve; a control valve; a canister inlet valve; a canister outlet valve; and a canister inlet coupler; wherein the vacuum supply valve is connected to the vacuum generator; wherein the vacuum generator is connected to the pressure vent valve and the control valve; wherein the gas inlet valve is connected to pressure vent valve and bypass valve; wherein the bypass valve is further connected to isolation valve and the canister inlet valve; wherein the isolation valve is also connected to canister outlet valve; wherein canister inlet valve is connected to control valve, and canister outlet valve.

21. **(Original)** The method of claim 17 wherein at least one manifold of the system comprises: a vacuum supply valve connected to a vacuum generator; a pressure vent valve connected to the vacuum generator and to a gas inlet valve; a control valve connected to vacuum generator; wherein the gas inlet valve is also connected to a bypass valve, an isolation valve connected to a canister outlet valve and to the bypass valve, and a canister inlet valve connected to the bypass valve, the control valve, and a canister outlet valve.

22. **(Original)** The method of claim 17 wherein the first refill canister contains tetraethylorthosilicate; wherein the second refill canister contains triethylphosphate or triethylphosphite; and wherein the third refill canister contains triethylborate.

23. **(Original)** The method of claim 17 wherein the cabinet is composed of two sides, a back, a top, a base and a front having at least one door, wherein the base optionally has wheels attached, wherein at least one of the at least one door has a touch screen.

24. **(Original)** The method of claim 23 wherein the cabinet includes an angled containment floor that directs chemical to a drain pan.